## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/538,9/6
Source:	, IFWO
Date Processed by STIC:	3/30/06
•	

## ENTERED

## CRF Errors Edited by the STIC Systems Branch

Serial	Number: <u>/0/538,9/6</u>	CRF Edit Date: 3/30/08 Edited by:
	Realigned nucleic acid/amino acid numbers/text text "wrapped" to the next line	in cases where the sequence
	Corrected the SEQ ID NO. Sequence numbers e	dited were:
	Inserted or corrected a nucleic number at the en- NO's edited:	d of a nucleic line. SEQ ID
<u>)</u>	Deleted: invalid beginning/end-of-file text;	page numbers
	Inserted mandatory headings/numeric identifier	s, specifically:
	Moved responses to same line as heading/numeri	ic identifier, specifically:
<u>J</u>	Other: Corrected wording of C/107 response	

Revised 09/09/2003



**IFWO** 

RAW SEQUENCE LISTING DATE: 03/30/2006
PATENT APPLICATION: US/10/538,916 TIME: 11:25:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\03302006\J538916.raw

```
4 <110> APPLICANT: Nitto Boseki Kabushiki Kaisya
      6 <120> TITLE OF INVENTION: Marker Protein for Diagnosis of Liver Disease and Diagnosis
Method
              of Liver Disease using the Protein
      9 <130> FILE REFERENCE: W1359-00
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/538,916
C--> 11 <141> CURRENT FILING DATE: 2005-06-13
     11 <150> PRIOR APPLICATION NUMBER: JP 2002-371959
     12 <151> PRIOR FILING DATE: 2002-12-24
     14 <160> NUMBER OF SEQ ID NOS: 3
     16 <210> SEQ ID NO: 1
     17 <211> LENGTH: 54
     18 <212> TYPE: PRT
     19 <213> ORGANISM: Homo sapiens
     21 <400> SEQUENCE: 1
     22 Ser Ser Ser Tyr Ser Lys Gln Phe Thr Ser Ser Thr Ser Tyr Asn Arg
                                             10
                          5
     24 Gly Asp Ser Thr Phe Glu Ser Lys Ser Tyr Lys Met Ala Asp Glu Ala
     26 Gly Ser Glu Ala Asp His Glu Gly Thr His Ser Thr Lys Arg Gly His
     27
                 35
                                     40
     28 Ala Lys Ser Arg Pro Val
     29
            50
     31 <210> SEQ ID NO: 2
     32 <211> LENGTH: 68
     33 <212> TYPE: PRT
     34 <213> ORGANISM: Homo sapiens
     36 <400> SEQUENCE: 2
     37 Glu Pro Cys Val Glu Ser Leu Val Ser Gln Tyr Phe Gln Thr Val Thr
     39 Asp Tyr Gly Lys Asp Leu Met Glu Lys Val Lys Ser Pro Glu Leu Gln
                     20
                                         25
     41 Ala Glu Ala Lys Ser Tyr Phe Glu Lys Ser Lys Glu Gln Leu Thr Pro
                                     40
     43 Leu Ile Lys Lys Ala Gly Thr Glu Leu Val Asn Phe Leu Ser Tyr Phe
            50
     45 Val Glu Leu Gly
     46 65
     48 <210> SEQ ID NO: 3
     49 <211> LENGTH: 243
     50 <212> TYPE: PRT
     51 <213> ORGANISM: Homo sapiens
     53 <400> SEQUENCE: 3
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54 Asp Glu Pro Pro Gln Ser Pro Trp Asp Arg Val Lys Asp Leu Ala Thr

RAW SEQUENCE LISTING DATE: 03/30/2006
PATENT APPLICATION: US/10/538,916 TIME: 11:25:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\03302006\J538916.raw

55	1				5					10					15	
56 57	Val	Tyr	Val	Asp 20	Val	Leu	Lys	Asp	Ser 25	Gly	Arg	Asp	Tyr	Val 30	Ser	Gln
58 59	Phe	Glu	Gly 35	Ser	Ala	Leu	Gly	Lys 40	Gln	Leu	Asn	Leu	Lys 45	Leu	Leu	Asp
60 61	Asn	Trp 50	Asp	Ser	Val	Thr	Ser 55	Thr	Phe	Ser	Lys	Leu 60	Arg	Glu	Gln	Leu
62 63	Gly 65	Pro	Val	Thr	Gln	Glu 70	Phe	Trp	Asp	Asn	Leu 75	Glu	Lys	Glu	Thr	Glu 80
64 65	Gly	Leu	Arg	Gln	Glu 85	Met	Ser	Lys	Asp	Leu 90	Glu	Glu	Val	Lys	Ala 95	Lys
66 67	Val	Gln	Pro	Tyr 100	Leu	Asp	Asp	Phe	Gln 105	Lys	Lys	Trp	Gln	Glu 110	Glu	Met
68 69	Glu	Leu	Tyr 115	Arg	Gln	Lys	Val	Glu 120	Pro	Leu	Arg	Ala	Glu 125	Leu	Gln	Glu
70 71	Gly	Ala 130	Arg	Gln	Lys	Leu	His 135	Glu	Leu	Gln	Glu	Lys 140	Leu	Ser	Pro	Leu
	Gly 145	Glu	Glu	Met	Arg	Asp 150	Arg	Ala	Arg	Ala	His 155	Val	Asp	Ala	Leu	Arg 160
74 75	Thr	His	Leu	Ala	Pro 165	Tyr	Ser	Asp	Glu	Leu 170	Arg	Gln	Arg	Leu	Ala 175	Ala
76 77	Arg	Leu	Glu	Ala 180	Leu	Lys	Glu	Asn	Gly 185	Gly	Ala	Arg	Leu	Ala 190	Glu	Tyr
78 79	His	Ala	Lys 195	Ala	Thr	Glu	His	Leu 200	Ser	Thr	Leu	Ser	Glu 205	Lys	Ala	Lys
80 81	Pro	Ala 210	Leu	Glu	Asp	Leu	Arg 215	Gln	Gly	Leu	Leu	Pro 220	Val	Leu	Glu	Ser
83	Phe 225 Asn	_		Ser	Phe	Leu 230	Ser	Ala	Leu	Glu	Glu 23!	_	Thr	Lys	Lys	Leu 240

VERIFICATION SUMMARY

DATE: 03/30/2006

PATENT APPLICATION: US/10/538,916

TIME: 11:25:07

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\03302006\J538916.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

## Raw Sequence Listing before editing (for reference only)



**IFWO** 

```
RAW SEQUENCE LISTING
                                                            DATE: 03/30/2006
                                                          TIME: 09:26:21
                     PATENT APPLICATION: US/10/538,916
                                                                 resposer ou reversed
                     Input Set : A:\050337.txt
                     Output Set: N:\CRF4\03302006\J538916.raw
     4 <110> APPLICANT: Maker Protein for Diagnosis of (Biver Disease and Diagnosis Method
      of Liver Disease using the Protein
      7 <120> TITLE OF INVENTION: Nitto Boseki Kabushiki Kaisya
      9 <130> FILE REFERENCE: W1359-00
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/538,916
C--> 11 <141> CURRENT FILING DATE: 2005-06-13
                                                            Does Not Comply
Corrected Diskette Needed
     11 <150> PRIOR APPLICATION NUMBER: JP 2002-371959
     12 <151> PRIOR FILING DATE: 2002-12-24
     14 <160> NUMBER OF SEQ ID NOS: 3
     16 <210> SEQ ID NO: 1
     17 <211> LENGTH: 54
     18 <212> TYPE: PRT
     19 <213> ORGANISM: Homo sapiens
     21 <400> SEQUENCE: 1
     22 Ser Ser Ser Tyr Ser Lys Gln Phe Thr Ser Ser Thr Ser Tyr Asn Arg
     24 Gly Asp Ser Thr Phe Glu Ser Lys Ser Tyr Lys Met Ala Asp Glu Ala
                   20
                                         25
     26 Gly Ser Glu Ala Asp His Glu Gly Thr His Ser Thr Lys Arg Gly His
                35
     28 Ala Lys Ser Arg Pro Val
     29 50
     31 <210> SEQ ID NO: 2
     32 <211> LENGTH: 68
     33 <212> TYPE: PRT
     34 <213> ORGANISM: Homo sapiens
     36 <400> SEQUENCE: 2
     37 Glu Pro Cys Val Glu Ser Leu Val Ser Gln Tyr Phe Gln Thr Val Thr
                        5
                                             10
     39 Asp Tyr Gly Lys Asp Leu Met Glu Lys Val Lys Ser Pro Glu Leu Gln
     41 Ala Glu Ala Lys Ser Tyr Phe Glu Lys Ser Lys Glu Gln Leu Thr Pro
                                     40
     43 Leu Ile Lys Lys Ala Gly Thr Glu Leu Val Asn Phe Leu Ser Tyr Phe
            50
     44
     45 Val Glu Leu Gly
     46 .. 65
     48 <210> SEQ ID NO: 3
     49 <211> LENGTH: 243
     50 <212> TYPE: PRT
     51 <213> ORGANISM: Homo sapiens
     53 <400> SEQUENCE: 3
     54 Asp Glu Pro Pro Gln Ser Pro Trp Asp Arg Val Lys Asp Leu Ala Thr
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/538,916

DATE: 03/30/2006
TIME: 09:26:21

Input Set : A:\050337.txt

Output Set: N:\CRF4\03302006\J538916.raw

55	1				5					10					15	
56	Val	Tyr	Val	Asp	Val	Leu	Lys	Asp	Ser	Gly	Arg	Asp	Tyr	Val	Ser	Gln
57				20					25					30		
58	Phe	Glu	Gly	Ser	Ala	Leu	Gly	Lys	Gln	Leu	Asn	Leu	Lys	Leu	Leu	Asp
59			35					40					45			
60	Asn	Trp	Asp	Ser	Val	Thr	Ser	Thr	Phe	Ser	Lys	Leu	Arg	Glu	Gln	Leu
61		50					55					60				
62	Gly	Pro	Val	Thr	Gln	Glu	Phe	Trp	Asp	Asn		Glu	Lys	Glu	Thr	Glu
63	65					70					75					80
	Gly	Leu	Arg	Gln		Met	Ser	Lys	Asp		Glu	Glu	Val	Lys		Lys
65					85					90			_	_	95	
	Val	Gln	Pro	_	Leu	Asp	Asp	Phe		Lys	Lys	Trp	Gln		Glu	Met
67	_			100					105					110		
	Glu	Leu	-	Arg	Gln	Lys	Val		Pro	Leu	Arg	Ala		Leu	GIn	Glu
69		_	115	- · •		_	1	120	_			_	125	_	_	_
	Gly		Arg	GIn	Lys	Leu		Glu	Leu	GIn	GIu	-	Leu	ser	Pro	Leu
71		130			_	_	135		_			140	_		_	_
	Gly	Glu	GIu	Met	Arg	-	Arg	Ala	Arg	Ala		Val	Asp	Ala	Leu	
	145		_		_	150	•	_	<b>~</b> 1	• .	155	<b>61.</b> -	3	+	7.7 -	160
	Thr	His	Leu	Ala		Tyr	Ser	Asp	GIu		Arg	GIn	Arg	Leu		Ala
75	_	_	<b>~</b> 1	- 1	165		~1	•	<b>~</b> 1.	170	77 -	7	<b>T</b>	<b>71</b> -	175	m
	Arg	ьeu	GIU		Leu	ьуs	GIU	Asn	_	GLY	Ата	Arg	ьeu	190	GIU	Tyr
77	****	77-	T	180	m1	<b>~1</b>	T7.5 ~	T	185	mla sa	T	C = 20	<i>α</i> 1		71-	Tira
	His	Ата	_	Ala	inr	GIU	HIS	200	ser	Int	Leu	ser	205	гуѕ	Ala	гуѕ
79	Desc	. ה ד ת	195	~1	7	τ	7 ~~		C1	T 011	T 011	Dro		T 011	C1.,	Cor
81	Pro	210	ьеи	GIU	Asp	ьеи	215	GIII	Gly	ьеи	Leu	220	vai	ьеu	GIU	ser
-	Dho		W- 1	Cor	Dho	T 011		ת ות	T 011	C1.,	C1,,		Thr	Tvc	Two	Leu
	225	пуъ	vaı	Ser	FILE	230	SET	ніа	neu	Giu	23!	_	1111	шуз	цуз	240
	Asn	Thr	Gln			230					23.	,				240
	1/1	<b></b>	GIII													
00	ر' ث	′														

VERIFICATION SUMMARY

DATE: 03/30/2006

PATENT APPLICATION: US/10/538,916

TIME: 09:26:22

Input Set : A:\050337.txt

Output Set: N:\CRF4\03302006\J538916.raw

 $\hbox{L:} 11 \ \hbox{M:} 270 \ \hbox{C: Current Application Number differs, Replaced Current Application No} \\ \hbox{L:} 11 \ \hbox{M:} 271 \ \hbox{C: Current Filing Date differs, Replaced Current Filing Date}$